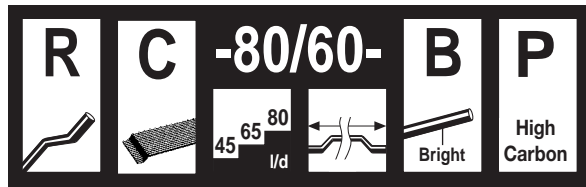




# Dramix®



- **Description:** Dramix® fibres are filaments of wire, deformed and cut to lengths, for reinforcement of concrete, mortar and other composite materials. Dramix® RC-80/60-BP is a high carbon wire fibre, with hooked ends, and glued in bundles.



- **Applications:** recommended in applications with concrete strength > C50/60
  - segmental linings
  - vaults
  - precast panels
  - self levelling high strength concrete
  - prestressed beams
  - pavements
  - military structures

## ● Geometry:

Length (l)  
60 mm

Diameter (d)  
0.71 mm

Performance class: 80

Aspect ratio (= l/d): 85

5 000 fibres/kg

- **Tensile strength:**
  - on the wire: minimum 2300 N/mm<sup>2</sup>

- **Coating:** None

## ● Approvals:

Conforms to  
**ASTM A820**

Product
Germany
<b>Z-3.71-1745</b>
Czech Republic
<b>C.070-021415</b>

Quality System in  
Belgian, Brazilian, Czech,  
Turkish and Chinese plants

Product
Romania
<b>007-01/068-2003</b>
Slovak Republic
<b>1402A/02/0771/1/C/C04</b>

- **Technical data:**  
For segmental linings, precast panels... ask for specialized documentation.

## Recommendations - mixing

### 1. General

- ✓ preferably use a central batching plant mixer
- ✓ recommended maximum dosage:

Max. aggregate size (mm)	Dosage (kg/m <sup>3</sup> )	
	pour	pump
8	60	45
16	50	35
32	35	30

- ✓ a continuous grading is preferred
- ✓ mix until all glued fibres are separated into individual fibres. Fibres don't increase mixing time significantly.
- ⚠ ✓ if special cements or admixtures are used, a preliminary test is recommended

### 2. Fibre addition

Bags are non-degradable and may not be thrown into the concrete.



#### 2.1. In batching plant mixer

- ✓ never add fibres as first component in the mixer
- ✓ fibres can be introduced together with sand and aggregates, or can be added in freshly mixed concrete



#### 2.2. Truckmixer

- ✓ run mixer at drum speed: 12-18 rpm
- ✓ adjust slump to a min. of 12 cm (preferably with water reducing agents or high water reducing agents)
- ✓ add fibres with maximum speed of 40 kg/min
- ✓ optional equipment: belt-hoist elevator
- ✓ after adding the fibres, continue mixing at highest speed for 4-5 min. (± 70 rotations)



#### 2.3. Automatic dosing

- ✓ Fibres can be dosed from bulk at rates from 0 up to 3,5 kg/sec with a specially developed dosing equipment



## Recommendations - storage

<p>Protect the pallets against rain</p>	<p>Do not stack the pallets on top of each other</p>	<p><b>Delivered in</b></p> <p>non water-soluble bags of 20 kg on pallet 1200 kg      big bag 1100 kg</p>
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